

FIG. 1

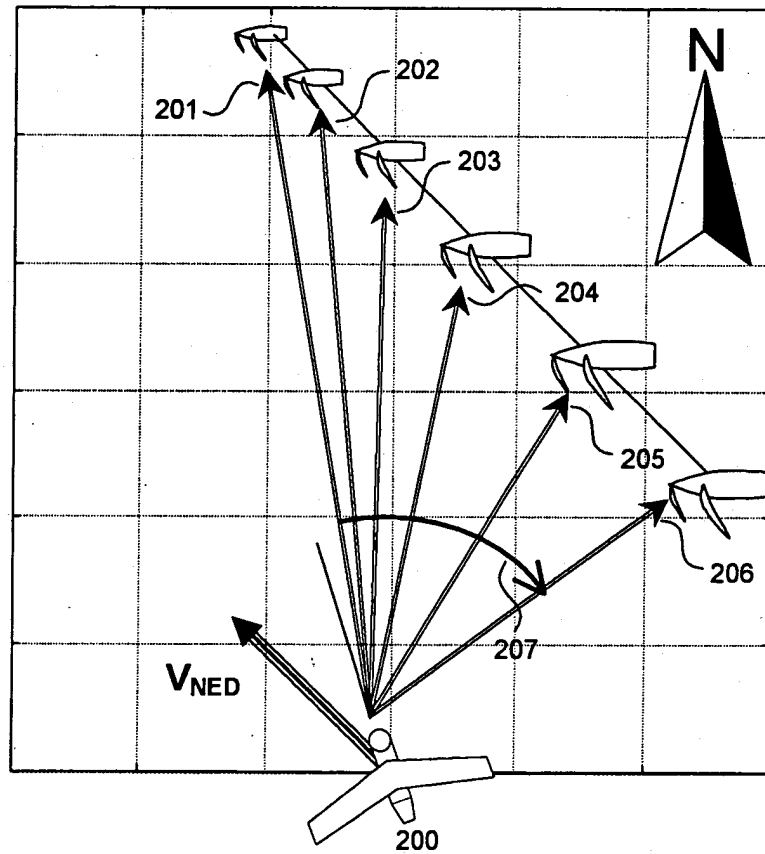


FIG. 2

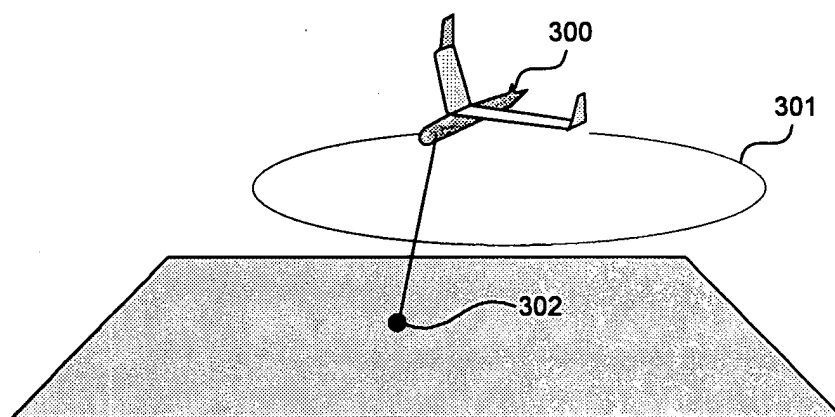


FIG. 3

401

Acquire:

Calculate Inertial Target Position in Earth reference frame, using altitude, aircraft attitude and gimbal angles

402

Update Line of Sight

Calculate Relative Inertial Target Position: North, East, using aircraft position and velocity.

403

Update Line of Sight Change

Calculate Rate of Change of Relative Inertial Target Position in Earth reference frame using aircraft position and velocity

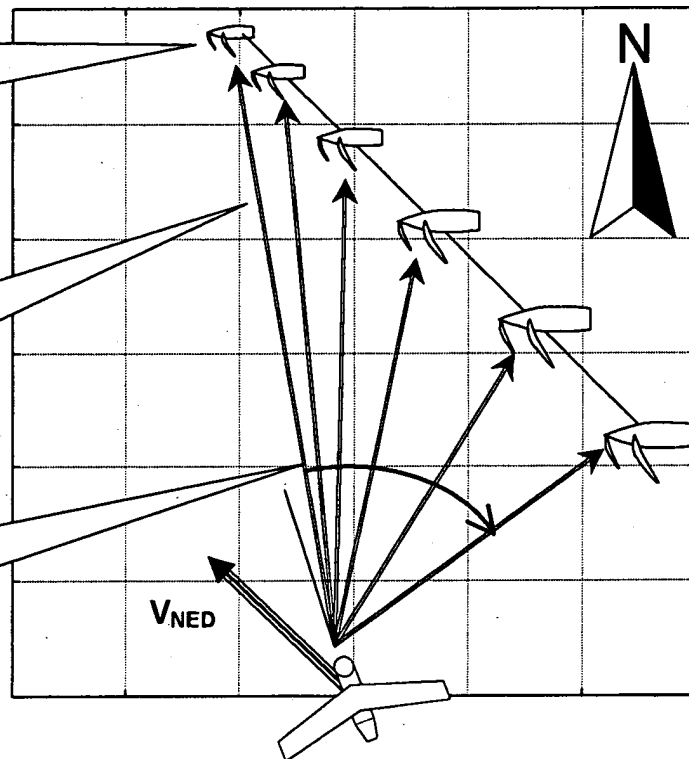


FIG. 4

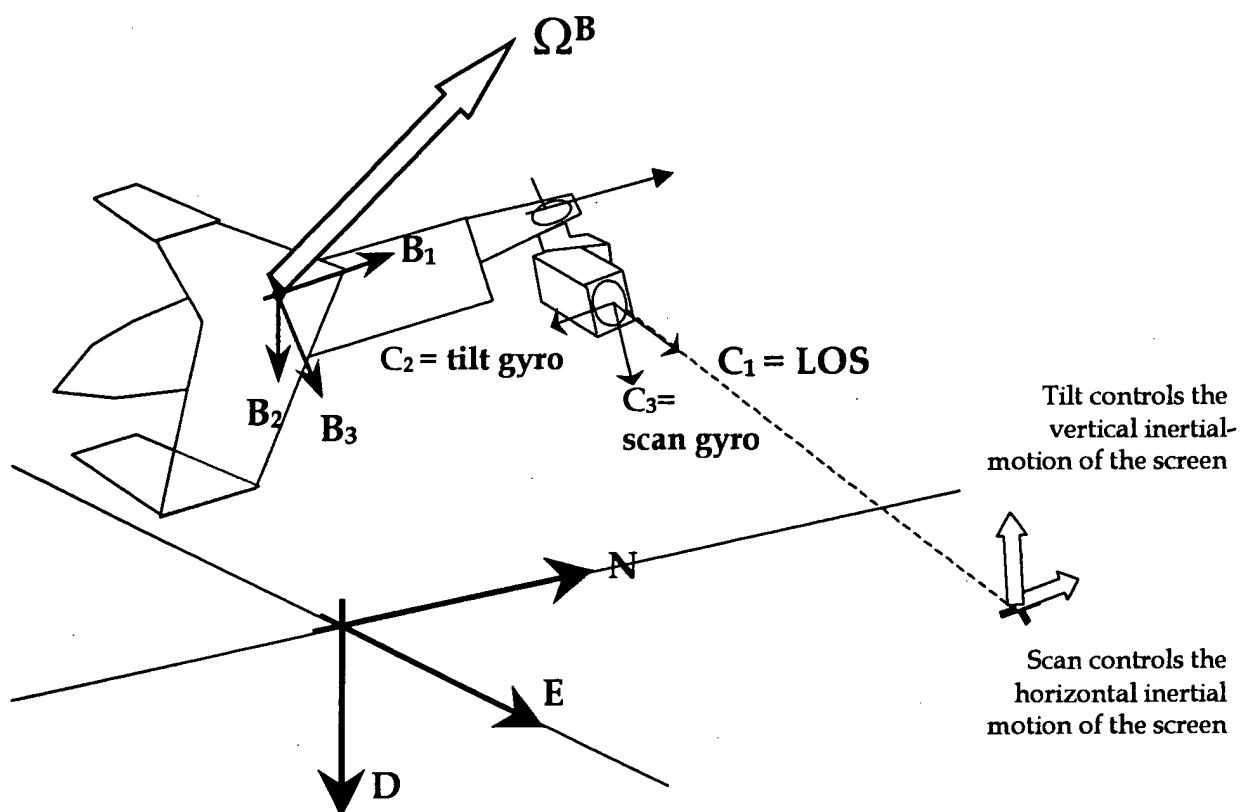


FIG. 5

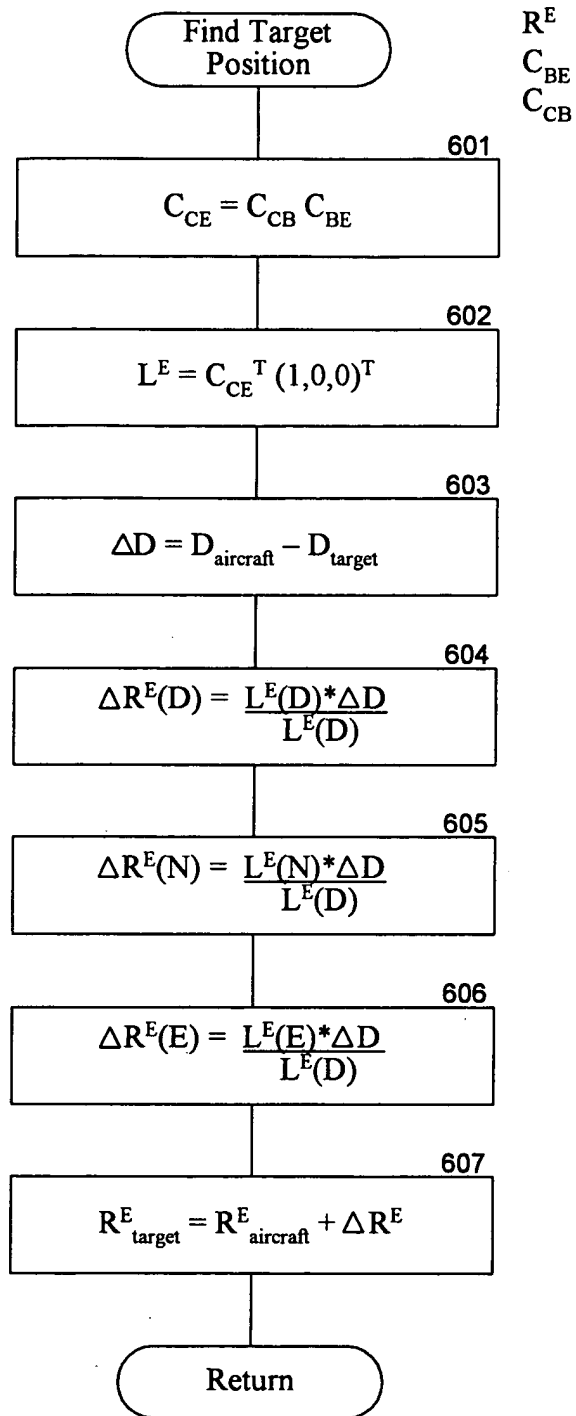


FIG. 6

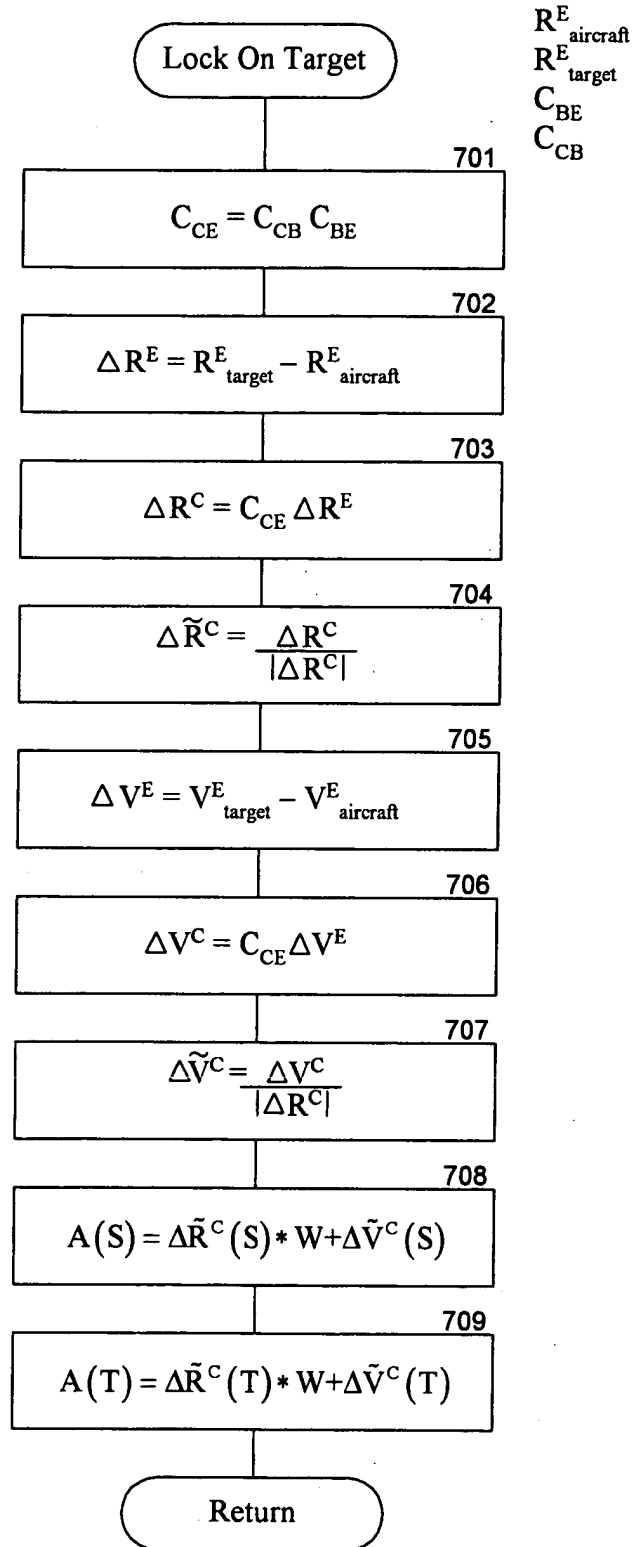


FIG. 7